

Title (en)

ELECTROCHEMICAL BIOSENSOR AND A METHOD OF SENSING ALBUMIN AND ITS COMPLEXES

Title (de)

ELEKTROCHEMISCHER BIOSENSOR UND VERFAHREN ZUR ERFASSUNG VON ALBUMIN UND DESSEN KOMPLEXEN

Title (fr)

BIOCAPTEUR ÉLECTROCHIMIQUE ET PROCÉDÉ DE DÉTECTION DE L'ALBUMINE ET DE SES COMPLEXES

Publication

**EP 3191844 B1 20220420 (EN)**

Application

**EP 15839945 A 20150901**

Priority

- IN 4377CH2014 A 20140908
- IB 2015056619 W 20150901

Abstract (en)

[origin: WO2016038505A2] An electrochemically active device for collecting and retaining a biological sample with a bioanalyte, the device provided with at least a two-electrode member and an albumin-binding and an electrochemically active receptor in chemical contact with the two-electrode members and the biological sample. The present invention also provides a point-of-care biosensor with the device of the present invention and a method for measuring a bioanalyte in a biological sample. The device, point-of-care biosensor and the method of the present invention facilitate accurate measurements concentrations of urine albumin, human serum albumin (HSA), glycated albumin (GA) and methemalbumin (MHA) by determining redox current values in reduced volumes of biological samples.

IPC 8 full level

**G01N 33/566** (2006.01); **G01N 27/327** (2006.01); **G01N 33/543** (2006.01); **G01N 33/68** (2006.01)

CPC (source: EP US)

**G01N 27/327** (2013.01 - US); **G01N 27/3277** (2013.01 - EP US); **G01N 33/5438** (2013.01 - EP US); **G01N 33/566** (2013.01 - EP); **G01N 33/6827** (2013.01 - EP US); **G01N 2333/76** (2013.01 - US); **G01N 2333/765** (2013.01 - US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2016038505 A2 20160317**; **WO 2016038505 A3 20160519**; EP 3191844 A2 20170719; EP 3191844 A4 20180425; EP 3191844 B1 20220420; JP 2017530371 A 20171012; JP 7068822 B2 20220517; US 11435344 B2 20220906; US 2017241996 A1 20170824

DOCDB simple family (application)

**IB 2015056619 W 20150901**; EP 15839945 A 20150901; JP 2017532224 A 20150901; US 201515509460 A 20150901